

REF. No. 02060	<b>4-X Tire Cleaner</b>	Created date	2001/6/5
Ver. 7.1	<b>SOFT99 corporation</b>	Rev. date	2020/12/11

## Safety Data Sheet

### 1. Identification

Product name	<b>4-X Tire Cleaner</b>	
Product code	02060	EU
Manufacturer	Soft99 Corporation	
Address	6-5, Tanimachi 2-Chome, Chuo-ku, Osaka, 540-0012, Japan	
Department	Research & Development	
Telephone	06-6942-6958	
Product use	Automobile tire cleaning, protection, and gloss-enhancement	
Date of creation	2001/6/5	
Date of revision	2020/12/11	

### 2. Hazard identification

GHS classification  
 Aerosol Category 1  
 Note: Classifications not shown here are either not applicable or cannot be classified due to lack of data.  
 GHS label symbols



Signal word **Danger**

Hazard statements

H222 Extremely flammable aerosol  
 H229 Pressurized container: may burst if heated

Precautions

[Safety Measures]  
 P202 Do not handle until all the safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
**NO SMOKING!**  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face shield as needed.  
 [First aid measures]  
 IF INHALED:  
 P340 If you feel unwell, remove victim to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor/physician, if you feel unwell.  
 IF SWALLOWED:  
 P330,331 Do NOT induce vomiting. Rinse mouth.  
 P311 Call a POISON CENTER/doctor/physician.  
 IF IN EYES:  
 P351 Rinse cautiously with water for at least 15 minutes.  
 P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313,337 If eye irritation persists, get medical advice/attention.  
 IF ON SKIN:  
 P352 Wash with water and soap.  
 P333,313 If skin irritation or rash occurs, get medical advice/attention.  
 P314 Get medical advice/attention if you feel unwell.  
 [Storage]  
 P102 Keep out of reach of children.  
 P410,412 Protect from sunlight. Do not expose to temperatures exceeding 40°C.  
 Do not allow to freeze.  
 [Disposal]  
 P501 Dispose of product and containers in accordance with all applicable local, state, federal, and international regulations.

### 3. Composition/information on ingredients

Classification of the substance or mixture  
 • Mixture

Ingredient	(wt%)	Identifier number
(Main ingredients)		
Fatty acid alkanolamide	< 1	EC 271-657-0

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Propan-2-ol REACH: 01-2119457558-25-0134	< 5	EC 200-661-7
Ethylene glycol	< 5	EC 203-473-3
Water (Aerosol propellant)	55-65	EC 231-791-2
Propane	10-20	EC 200-827-9
Butane		EC 203-448-7
Isobutane		EC 200-857-2

#### 4. First-aid measures

##### INHALATION:

- Although non-toxic, if symptoms arise, do the following:
- Remove victim to fresh air and keep comfortable for breathing if feeling unwell.
  - Get medical advice/attention if symptoms persist.

##### SKIN CONTACT

- Although not a poison or serious irritant, if liquid contacts the skin, do the following.
- Wash affected area with large amounts of water and soap.
  - Take off contaminated clothing.

##### EYE CONTACT

- Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.
- Ensure thorough flushing behind the eyelids, and all around the eye.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists, get medical advice/attention.
- If intense pain persists, get medical advice/attention immediately.

##### INGESTION

- Immediately rinse mouth thoroughly.
- Do NOT induce vomiting.
- Call a POISON CENTER/doctor/physician.
- If a child is suspected of swallowing this product, seek medical treatment immediately.

##### Most serious sign(s) and/or symptom(s)

- None known.

##### Notes to doctor

- Not specified.

#### 5. Fire-fighting measures

##### Suitable extinguishing media

- Powder, carbon dioxide, water mist

##### Specific hazards with regard to fire-fighting

- Fumes emitted from the burning product contain poisonous gases such as carbon monoxide, nitrogen oxides, etc. When extinguishing, take care not to inhale the smoke.
- This product has a risk of explosion when on fire. Escape immediately.

##### Particular fire fighting measures

- If possible, perform extinguishing procedures upwind from the fire.
- Evacuate all non-essential personnel from immediate area.
- In case of fire nearby, move product to a safe place.
- Do not admit non-essential people to the area of the fire.
- Apply water from a safe distance to cool and protect surrounding area.
- Avoid discharges of environmentally harmful substances.
- Container may rupture at high temperatures. Extinguish from an appropriate distance.

##### Protection for firefighters

- Wear proper protective gloves, goggles and mask.
- Perform extinguishing procedures upwind from the fire. Avoid breathing fumes. Use breathing equipment.

#### 6. Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

- If indoors, ensure sufficient ventilation until the clean-up has been completed.
- Wear suitable protective equipment such as protective mask, gloves, goggles and apron during cleanup operation.
- Prevent others from entering the area with a rope, etc.
- Take suitable measures to avoid contact with skin, inhalation of fumes and dust, etc.
- Work from upwind, evacuate people from downwind of the release.
- As a precaution against fire, prepare a fire extinguisher.
- The area of the spillage may be slippery. Take care.

##### Environmental precautions

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- Do not release into rivers, sewers, or other routes that may damage the environment.

Methods and materials for containment and cleaning up

- If in small quantities, absorb the spill (using sand, sawdust, rags, etc.) and thoroughly wipe up the remnants using cloth or rags. Move contaminated material to a sealed container.
- If in large quantities, contain the spill with dykes (sandbags, etc.) before cleaning up.
- Deal with contaminated material and waste according to the appropriate regulations.

Prevention of secondary disasters

- To prevent spreading or accidents, inform the relevant person(s) immediately.

## 7. Handling and storage

Handling

- Read the instructions and take all precautions before use.
- Do not use except for intended purpose.
- Do not pierce or burn, even after use.
- Do not spray onto flames or very hot surfaces.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- Do not discharge for longer than the prescribed time.
- Do not use in a room with open flames.
- Do not discharge towards people. Do not inhale discharged material.
- Use only outdoors or in a well-ventilated area.
- Do not eat, drink or smoke when using this product.

Storage

- Store according to instructions on the product.
- Protect from sunlight. Do not expose to temperatures exceeding 40°C.

Packaging

- Not specified.

## 8. Exposure controls/personal protection

Occupational exposure guidelines

	ACGIH (TLV-TWA)	(TLV-STEL)
Propan-2-ol	200 ppm	400 ppm
Ethylene glycol		100 mg/m <sup>3</sup>
Propane	1800 mg/m <sup>3</sup>	
Butane	800 ppm	

Protective equipment • If vapors, mist, or smoke is produced, provide ventilation.

Personal protective equipment

Respiratory

- Wear dust respirator, gas mask or organic solvent gas mask as needed.

Hand

- Wear protective gloves, solvent resistant gloves or vinyl gloves as needed.

Eye, face

- Wear protective glasses, goggles or mask as needed.

Body, skin

- Wear protective equipment as clothing or boots or apron as needed.

## 9. Physical and chemical properties

(for base liquid excluding propellant, unless specified)

Physical state	: Liquid
Color	: White opaque
Odor	: Characteristic odor
Melting point	: No data
Boiling point and range	: About 100 °C
Flammability	: Non
Combustion/explosion limits	: No data
Flash point	: No data
Auto-ignition temperature	: No data
Decomposition temperature	: No data
pH (25°C)	: No data
Solubility in water	: Dispersible
Vapor pressure (25°C Product internal pressure)	: 0.32±0.03 MPa (including propellant)
Relative density (25 °C)	: 0.996
Relative vapor density	: No data

## 10. Stability and reactivity

Chemical stability

- Stable under normal conditions.

Possibility of hazardous reactions

- None known.

Conditions to avoid

- None known.

Incompatible materials

- None known.

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Hazardous decomposition products      •None known.  
Other      •None known.

## 11. Toxicological information

There is no product test data.

Fatty acid alkanolamide	(Oral)	LD50 5.4mL/kg (Mouse)
Propan-2-ol	(Oral)	LD50 3437 mg/kg (Rat)
Ethylene glycol	(Oral)	LD50 5890-13400 mg/kg (Rat, SIDS(2009))
Propan-2-ol	(Dermal)	LD50 4059 mg/kg (Rabbit, CERI(1999))
Ethylene glycol	(Dermal)	LD50 9530 mg/kg (Rabbit, ACGIH (7th,2001))
Propan-2-ol	(Inhalation)	LC50 68.5 mg/L (Rat, EPA Pesticides(1995))
Ethylene glycol	(Inhalation)	LC50 10.9mg/L/1h (Rat, PATTY(6th, 2012))
Acute toxicity (Oral)	Classification not possible 10-20 percent of the mixture consists of ingredient(s) of unknown acute oral toxicity.	
Acute toxicity (Dermal)	Classification not possible 30-40 percent of the mixture consists of ingredient(s) of unknown acute dermal toxicity.	
Acute toxicity (Inhalation)	Classification not possible 20-30 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.	
Skin corrosion/irritation	Classification not possible	
Serious eye damage/irritation	Classification not possible	
Respiratory sensitization	Classification not possible	
Skin sensitization	Classification not possible	
Germ cell mutagenicity	Classification not possible	
Carcinogenicity	Classification not possible	
Reproductive toxicity	Classification not possible	
Specific target organ toxicity (Single exposure)	Classification not possible	
Specific target organ toxicity (Repeated exposure)	Classification not possible	
Aspiration hazard	Classification not possible	

### Hazard category information

Ingredient	Acute toxicity Oral	Acute toxicity Dermal	Acute toxicity Inhalation	Skin corrosion /irritation	Serious eye damage /eye irritation
Fatty acid alkanolamide	-			-	-
Propan-2-ol	-	-	-(vapor)		2
Ethylene glycol	4	-	-		
Water	-	-	-	-	-
Propane					
Butane					
Isobutane					

Ingredient	Respiratory sensitization	Skin sensitization	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
Fatty acid alkanolamide				2	
Propan-2-ol					
Ethylene glycol					
Water	-	-	-	-	-
Propane					
Butane					
Isobutane					

Ingredient	Specific target organ toxicity		Aspiration hazard
	Single exposure	Repeated exposure	
Fatty acid alkanolamide			
Propan-2-ol	3(D)		
Ethylene glycol			

Blank: Not classified/  
Classification not possible  
- : Not classified  
R: Respiratory irritation  
D: Drowsiness or dizziness

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Water	-	-	-
Propane			
Butane			
Isobutane			

For the purpose of GHS classification of the product, in some cases the classification of the raw materials is used. Toxicological data for each component are reference values.

## 12. Ecological information

There is no product test data.

Hazardous to the aquatic environment, acute hazard

Propan-2-ol	LC50 > 100 mg/L/96h (Oryzias latipes var.)
Ethylene glycol	LC50 > 100 mg/L/96h (Oryzia latipes)
	Classification not possible
	30-40 percent of the mixture consists of ingredient(s) of unknown acute hazards to the aquatic environment.

Hazardous to the aquatic environment, chronic hazard

	Classification not possible
	30-40 percent of the mixture consists of ingredient(s) of unknown chronic hazards to the aquatic environment.

Hazard category information

Ingredient	Hazardous to the aquatic environment	
	Acute hazard	Chronic hazard
Fatty acid alkanolamide		
Propan-2-ol	-	-
Ethylene glycol		
Water	-	-
Propane		
Butane		
Isobutane		

Blank : Not classified/Classification not possible  
- : Not classified

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Harmful to the ozone layer	No information available.

## 13. Disposal considerations

- Use all contents before disposal.
- Discharge excess gas in an outside area, away from flames.
- Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.

## 14. Transport information

UN class 2.1 Flammable gases  
UN number UN1950 AEROSOLS

Specific safety measures and condition for transportation

- Check for breakages and leaks
- Prevent luggage from collapsing
- Wrap, display and transport according to the law.
- Avoid direct sunlight
- Do not wet
- Pack upright
- Do not place on hot surfaces (outside during summer, etc.)
- Handle carefully to avoid shocks and violent movements

## 15. Regulatory information

Follow the applicable regional, national, and local laws and regulations.

## 16. Other information

References

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Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet(SDS) JIS Z7253(2019)  
GHS Classification Results (NITE website, Japan/ECHA C&L Inventory )  
Supplier's SDS  
Guide to SDS Composition for Auto Chemicals (JACA)

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The information contained herein is based on current knowledge and experience; no responsibility is accepted for the information being sufficient or correct in all cases. Users should consider these data only as a supplement, and must make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials, the health and safety of employees/customers, and protection of the environment.